**White Box Testing**

Code

Text

Description automatically generated

Control Flow Graph

A picture containing diagram

Description automatically generated

Cyclomatic Complexity

M = 23 - 18 + 2(1) = 7

Basis Path

Path 1: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 - 10 - 12 - 16 - 17 - 18

Path 2: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 - 10 - 13 - 16 - 17 - 18

Path 3: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 - 11 - 14 - 16 - 17 - 18

Path 4: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 - 11 - 15 - 16 - 17 – 18

Path 5: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 17 - 18

Path 6: 1 - 2 - 3 - 4 - 3 - 4 - 5 - 6 - 7 - 9 - 10 - 12 - 16 - 17 - 18

Path 7: 1 - 2 - 3 - 4 - 5 - 6 - 7 - 9 - 10 - 12 - 16 - 17 - 7 - 9 - 11 - 14 - 16 - 17 - 18